



July 15, 2020

Mr. Max Grondahl
Department of Environmental Protection
Southwest Florida District
13051 N Telecom Parkway
Temple Terrace, FL 33637-0926

**RE: Semi-Annual Monitoring Report
Florida Power & Light - Manatee
Title V Permit No.0810010-025-AV**

Dear Mr. Grondahl:

Florida Power & Light (FPL) submits this Semi-Annual Monitoring Report for the above referenced facility. Title V Permit Conditions and Appendices (**FW.9, B.33. permitting note, RR4, CAM 15.a.**) which states "The permittee shall submit reports of required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports."

FPL has reviewed the above referenced Title V permit conditions related to monitoring and has reviewed all related monitoring information for the period of January 1st 2020, thru June 30th 2020. The attachments identify any instances of permit deviations from permit "Monitoring Conditions" previously submitted quarterly or as required by permit. There were no deviations for the reporting period of our CAM plan. This facility was in compliance with all terms and conditions of the Title V Permit for the aforementioned monitoring period.

There are no emissions in excess of Subpart KKKK of 40 CFR 60 for the reporting period.
There are no emissions in excess of the SIP/BACT standards for the reporting period.

If you have any questions or require additional information, please contact either myself at (941)-721-4369 or Adam Richardson at (941)-776-5265.

I, the undersigned, am a responsible official (Title V air permit application or responsible official notification form on file with the Department) of the Title V source for which this document is being submitted. With respect to all matters other than Acid Rain program requirements, I hereby certify, based on the information and belief formed after reasonable inquiry, that the statements made and data contained in this document are true, accurate, and complete.



Manatee Energy Center, 19050 State Road 62, Parrish, FL 34219

Sincerely,

A handwritten signature in blue ink, appearing to read 'B. J. Mangan', is written over the printed name and title.

Brian J. Mangan
Regional Plant General Manager
(Responsible Official)

Cc:

Rob Brown
Jason Dressler, Todd Russo

Manatee County Natural Resources Department
US EPA Region 4

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: MTCT3A NOx @ 15% O2 30d NSPS KKKK Exceedance

Emission Limitation: 15.0 ppmvd @15% O2 ,30 unit operating days rolling average (Gas)
42.0 ppmvd @15% O2 ,30 unit operating days rolling average (Oil)
or
96.0 ppmvd @15% O2 ,30 unit operating days rolling average for Load < 75%

Analyzer Make/Model: TECO 42i

Analyzer Serial Number:

Reporting Period Dates: From 1/1/2020 to 6/30/2020 11:59:59 PM

Company Name: FPL Manatee - Facility ID# 0810010

Address: 19050 State Road 62

Parrish, FL 34219

Process Unit Description: Unit 3A gas turbine with supplementary-fired heat recovery
steam generator

Date of Last CEMS Certification or Audit: 3/2/2020

Total Source Operating Time in Reporting Period: 3024 Hours

CMS Performance Summary

1. CEMS downtime in reporting period due to:	Duration	% Unavailable ¹
1. Monitor Equipment Malfunctions	0	0.00%
2. Non-Monitor CEMS Equipment Malfunctions	0	0.00%
3. Calibration/QA	9	0.30%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total CEMS Downtime	9	0.30% ²

% Unavailable = CEMS Downtime during Source Operating Time/Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions ¹
1. Startup/Shutdown	0	0.00%
2. Control Equipment Problems	0	0.00%
3. Process Problems	0	0.00%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total duration of excess emissions.....	0	0.00% ²

% Excess Emissions = Total Duration of Excess Emissions/Source Operating Time x 100

¹ For opacity, record all times in minutes. For gases, record all times in hours.

²

On a separate page, describe any changes since last reporting period in CMS, process or controls.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this report are true, accurate, and complete.

Brian J Mangan

Regional Plant General
Manager

Name



Signature

Title

7/15/20

Date

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: MTCT3B NOx @ 15% O2 30d NSPS KKKK Exceedance

Emission Limitation: 15.0 ppmvd @15% O2 ,30 unit operating days rolling average (Gas)
42.0 ppmvd @15% O2 ,30 unit operating days rolling average (Oil)
or
96.0 ppmvd @15% O2 ,30 unit operating days rolling average for Load < 75%

Analyzer Make/Model: TECO 42i

Analyzer Serial Number:

Reporting Period Dates: From 1/1/2020 to 6/30/2020 11:59:59 PM

Company Name: FPL Manatee - Facility ID# 0810010

Address: 19050 State Road 62

Parrish, FL 34219

Process Unit Description: Unit 3B gas turbine with supplementary-fired heat recovery
steam generator

Date of Last CEMS Certification or Audit: 3/3/2020

Total Source Operating Time in Reporting Period: 3652 Hours

CMS Performance Summary

1. CEMS downtime in reporting period due to:	Duration	% Unavailable ¹
1. Monitor Equipment Malfunctions	1	0.03%
2. Non-Monitor CEMS Equipment Malfunctions	0	0.00%
3. Calibration/QA	6	0.16%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total CEMS Downtime	7	0.19% ²

% Unavailable = CEMS Downtime during Source Operating Time/Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions ¹
1. Startup/Shutdown	0	0.00%
2. Control Equipment Problems	0	0.00%
3. Process Problems	0	0.00%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total duration of excess emissions.....	0	0.00% ²

% Excess Emissions = Total Duration of Excess Emissions/Source Operating Time x 100

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Brian J Mangan



Regional Plant General
Manager

Name

Signature

Title

Date

7/15/20

Continuous Emission Monitor Quarterly Report Summary
Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: MTCT3C NOx @ 15% O2 30d NSPS KKKK Exceedance

Emission Limitation: 15.0 ppmvd @15% O2 ,30 unit operating days rolling average (Gas)
42.0 ppmvd @15% O2 ,30 unit operating days rolling average (Oil)
or
96.0 ppmvd @15% O2 ,30 unit operating days rolling average for Load < 75%

Analyzer Make/Model: TECO 42i

Analyzer Serial Number:

Reporting Period Dates: From 1/1/2020 to 6/30/2020 11:59:59 PM

Company Name: FPL Manatee - Facility ID# 0810010

Address: 19050 State Road 62

Parrish, FL 34219

Process Unit Description: Unit 3C gas turbine with supplementary-fired heat recovery
steam generator

Date of Last CEMS Certification or Audit: 3/4/2020

Total Source Operating Time in Reporting Period: 3319 Hours

CMS Performance Summary

1. CEMS downtime in reporting period due to:	Duration	% Unavailable ¹
1. Monitor Equipment Malfunctions	0	0.00%
2. Non-Monitor CEMS Equipment Malfunctions	0	0.00%
3. Calibration/QA	2	0.06%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total CEMS Downtime	2	0.06% ²

% Unavailable = CEMS Downtime during Source Operating Time/Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions ¹
1. Startup/Shutdown	0	0.00%
2. Control Equipment Problems	0	0.00%
3. Process Problems	0	0.00%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total duration of excess emissions.....	0	0.00% ²

% Excess Emissions = Total Duration of Excess Emissions/Source Operating Time x 100

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Brian J Mangan



Regional Plant General
Manager

7/15/20
Date

Continuous Emission Monitor Quarterly Report Summary

Gaseous and Opacity Excess Emission and Monitoring System Performance

Pollutant: MTCT3D NOx @ 15% O2 30d NSPS KKKK Exceedance

Emission Limitation: 15.0 ppmvd @15% O2 ,30 unit operating days rolling average (Gas)
42.0 ppmvd @15% O2 ,30 unit operating days rolling average (Oil)
or
96.0 ppmvd @15% O2 ,30 unit operating days rolling average for Load < 75%

Analyzer Make/Model: TECO 42i

Analyzer Serial Number:

Reporting Period Dates: From 1/1/2020 to 6/30/2020 11:59:59 PM

Company Name: FPL Manatee - Facility ID# 0810010

Address: 19050 State Road 62

Parrish, FL 34219

Process Unit Description: Unit 3D gas turbine with supplementary-fired heat recovery
steam generator

Date of Last CEMS Certification or Audit: 3/5/2020

Total Source Operating Time in Reporting Period: 3399 Hours

CMS Performance Summary

1. CEMS downtime in reporting period due to:	Duration	% Unavailable ¹
1. Monitor Equipment Malfunctions	0	0.00%
2. Non-Monitor CEMS Equipment Malfunctions	0	0.00%
3. Calibration/QA	6	0.18%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total CEMS Downtime	6	0.18% ²

% Unavailable = CEMS Downtime during Source Operating Time/Source Operating Time x 100

Emission Data Summary

1. Duration of excess emissions in reporting period due to:	Duration	% Excess Emissions ¹
1. Startup/Shutdown	0	0.00%
2. Control Equipment Problems	0	0.00%
3. Process Problems	0	0.00%
4. Other Known Causes	0	0.00%
5. Unknown Causes	0	0.00%
2. Total duration of excess emissions.....	0	0.00% ²

% Excess Emissions = Total Duration of Excess Emissions/Source Operating Time x 100

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